

Docket No. 285445US2PCT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

IN RE APPLICATION OF: Hideji WAKABAYASHI

SERIAL NO: New U.S. PCT Application Based on PCT/JP03/10104

GAU:

FILED: Herewith

EXAMINER:

FOR: COMMUNICATION TERMINAL AND COMMUNICATION SYSTEM

INFORMATION DISCLOSURE STATEMENT UNDER 37 CFR 1.97

COMMISSIONER FOR PATENTS
ALEXANDRIA, VIRGINIA 22313

SIR:

Applicant(s) wish to disclose the following information.

REFERENCES

- ☒ The applicant(s) wish to make of record the references listed on the attached form PTO-1449. Copies of the listed references are attached, where required, as are either statements of relevancy or any readily available English translations of pertinent portions of any non-English language references.
- ☐ A check or credit card payment form is attached in the amount required under 37 CFR §1.17(p).

RELATED CASES

- ☐ Attached is a list of applicant's pending application(s), published application(s) or issued patent(s) which may be related to the present application. In accordance with the waiver of 37 CFR 1.98 dated September 21, 2004, copies of the cited pending applications are not provided. Cited published and/or issued patents, if any, are listed on the attached PTO form 1449.
- ☐ A check or credit card payment form is attached in the amount required under 37 CFR §1.17(p).

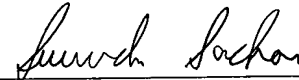
CERTIFICATION

- ☐ Each item of information contained in this information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this statement.
- ☐ No item of information contained in this information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application or, to the knowledge of the undersigned, having made reasonable inquiry, was known to any individual designated in 37 CFR §1.56(c) more than three months prior to the filing of this statement.

DEPOSIT ACCOUNT

- ☒ Please charge any additional fees for the papers being filed herewith and for which no check or credit card payment is enclosed herewith, or credit any overpayment to deposit account number 15-0030. A duplicate copy of this sheet is enclosed.

Respectfully submitted,

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IAP9 Rec'd PCT/PTO ET 02 FEB 2006

Form PTO 1449 (Modified)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY DOCKET NO. 285445US2PCT		SERIAL NO. New U.S. PCT Application Based on PCT/JP03/10104	
LIST OF REFERENCES CITED BY APPLICANT				APPLICANT Hideji WAKABAYASHI			
FILING DATE Herewith				GROUP			
U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
	AA						
	AB						
	AC						
	AD						
	AE						
	AF						
	AG						
	AH						
	AI						
	AJ						
	AK						
	AL						
	AM						
	AN						
FOREIGN PATENT DOCUMENTS							
		DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION YES NO		
	AO	2002-261687	09/13/02	JP (equivalent of US2002/0119798)			NO
	AP	2003-199173	07/11/03	JP (equivalent of US2003/0073409)			NO
	AQ	2002-247048	08/30/02	JP			NO
	AR	2002-9741	01/11/02	JP (equivalent of US2002/0046379)			NO
	AS	2002-281047	09/27/02	JP			NO
	AT	2002-521938	07/16/02	JP (equivalent of US6,931,253)			NO
	AU						
	AV						
OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, etc.)							
	AW	"UE behavior when UE reaches maximum transmission power with HS-DPCCH", Panasonic, 3GPP TSG-RAN WG1 Meeting #32, Paris, May 19-23, 2003, R1-030535.					
	AX	"Physical layer structure - relationship to existing transport channels", Nokia, 3GPP TSG-RAN Meeting #31, Tokyo, Feb. 18-21, 2003.					
	AY						
	AZ					<input type="checkbox"/> Additional References sheet(s) attached	
Examiner					Date Considered		
*Examiner: Initial if reference is considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.							

New U.S. PCT Application Based on PCT/JP03/10104

Hideji WAKABAYASHI

Docket No. 285445 US

STATEMENT OF RELEVANCY

- 1) References AO - AP have been cited in the International Search Report. A copy of these references is being submitted herewith.
- 2) References have been cited in the corresponding Search Report. A copy of these references is being submitted herewith.
- 3) Reference AQ is discussed in the specification. A copy of this reference is being submitted herewith.
- 4) References AR - AT & AW - AX are additional prior art known to Applicant. A copy of these references is being submitted herewith.

AQ 2002-247048

(Abstract)

(Solution) A base station device for two-way radio packet communication is provided with a transmitting buffer 111 comprised of a plurality of transmitting queues having different priorities, a statistic data obtaining means 112 to calculate statistics of data amount for each priority, an uplink priority managing means 113 to manage a priority of data and data amount for each radio terminal, a traffic balance controlling means 114 to determine a number of permission of an uplink data transmission M and a number of a downlink data transmission N by calculating a ratio of data amount of uplink and downlink per unit of time, an uplink scheduling list 115 to determine a transmission order, an uplink scheduling list producing means 121, a counting means 117 to count a number of permission of uplink data transmission and a number of downlink data transmission, a pointer means 116 to instruct a queue to take out a radio terminal and a packet, and a transmission controlling means 130 to permit an uplink data transmission and to transmit downlink data in accordance with a counted value of the counting means 117.

AS 2002-281047

(Abstract)

(Solution) The present invention is provided with a determining section 14 and a control section 12. The determining section 14 determines quality of a radio transmission line formed for a mobile terminal 50 based on a number of a RTS frame and a number of actual data retransmission. The control section 12 interrupts communication to the terminal 50 by storing packet for the mobile terminal in a terminal queue 22, or adjusts transmission data amount when the quality of the line is determined to be unfavorable, and restarts communication to the terminal 50 by transferring packet for the mobile terminal from the terminal queue 22 to an interface queue 20 when the quality of the line is determined to become favorable. Thereby, communication control, such as interruption of communication, adjustment of transmission data amount, and restart of communication, can be properly performed, and communication efficiency can be improved by preventing packet loss.